

1. A method for automatically re-establishing a connection to a data source accessible by a plurality of remote applications, the method comprising:

10 providing at least one interface module configured to interface with a remote application;

15 providing at least one port module configured to interface between the interface module and the data source;

20 providing a connection manager to facilitate the interface between the interface module and the port module;

25 detecting unavailability of the data source in response to an initial request for the data source by the remote application;

30 dynamically detecting availability of the data source in response to a subsequent request for the data source; and

35 re-connecting the data source to the remote application in response to the subsequent request.

40 2. The method of claim 1, wherein the detecting unavailability is executed by the port module.

45 3. The method of claim 1, wherein the detecting unavailability is executed by the connection manager.

50 4. The method of claim 1, wherein the dynamically detecting is executed by the port module.

5. The method of claim 1, wherein the dynamically detecting is executed by the connection manager.
6. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source independently from initialization of the connection manager.
- 10 7. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source without re-initializing the connection manager.

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File Case and do in the U.S. District Court for the District of Columbia

- 5 8. A computer readable medium having stored thereon computer executable
instructions for performing a method for connecting a plurality of remote
applications with a data source, the method comprising:
 providing at least one interface module configured to interface with a remote
application;
10 providing at least one port module to interface between the interface module and
the data source;
 providing a connection manager to facilitate the interface between the interface
module and the port module;
 detecting unavailability of the data source in response to an initial request for the
15 data source by the remote application;
 dynamically detecting availability of the data source in response to a subsequent
request for the data source; and
 re-connecting the data source to the remote application in response to the
subsequent request.
- 20 9. The computer readable medium of claim 8, wherein the detecting unavailability is
executed by the port module.
- 25 10. The computer readable medium of claim 8, wherein the detecting unavailability is
executed by the connection manager.
11. The computer readable medium of claim 8, wherein the dynamically detecting is
executed by the port module.

- 5 12. The computer readable medium of claim 8, wherein the dynamically detecting is
executed by the connection manager.
13. The computer readable medium of claim 8, wherein re-connecting further
comprises re-establishing a connection between the port module and the data
source independently from initialization of the connection manager.
- 10 14. The computer readable medium of claim 8, wherein re-connecting further
comprises re-establishing a connection between the port module and the data
source without re-initializing the connection manager

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- 5 15. A system for connecting a plurality of remote applications with a data source, the
system comprising:
 an interface module configured to interface with a remote application;
 a port module configured to interface between the interface module and the data
source; and
10 a connection manager module configured to facilitate a direct interface between
the interface module and the port module;
 one of the port module and the connection manager module, further configured to
dynamically detect availability of the data source in response to a subsequent request for
the data source, and to re-connect the data source to the remote application in response to
15 the subsequent request.
16. The system of claim 15, wherein the port module is configured to execute at least
one of the dynamically detecting and re-connecting steps.
17. The system of claim 15, wherein the connection manager module is configured to
execute at least one of the dynamically detecting and re-connecting steps.
- 20 18. The system of claim 15, wherein re-connecting further comprises re-establishing a
connection between the port module and the data source independently from
initialization of the connection manager.
19. The system of claim 15, wherein re-connecting further comprises re-establishing a
connection between the port module and the data source without re-initializing the
connection manager.
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